Amendments to the Claims

1. (CURRENTLY AMENDED) A mobile communications terminal for use in a cellular communications system, the terminal comprising:

an electronic circuit ~~(200)~~ for receiving a wire-less communications signal carrying signal channels having processing means for extracting the signal channels; and ~~characterized in that~~

wherein the electronic circuit ~~(200)~~ is adapted to classify a type of interference~~,~~ affecting ~~the~~ communications quality, by evaluating signals selected in the electronic circuit that are selected as signals having information for classifying a type of interference in one of at least two predetermined classes of interference.

2. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to claim 1, ~~characterized in that~~ wherein a first class of interference includes inter-cell interference and that a second class of interference includes intea-cell interference.

3. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to any one of claims 1 and 2, ~~characterized in that~~ wherein the mobile communications terminal comprises first means ~~(204)~~ with selected signals for adaptively regulating the amplitude of signals processed by the electronic circuit.

4. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to claim 3, ~~characterized in that~~ wherein the first means ~~(204)~~ includes Automatic Gain Control means

5. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to ~~any one of claims 3 and 4, characterized in that~~ claim 3, wherein the first means includes means (2+6) with selected signals for communicating commands of controlling transmitted power with a base station capable of communicating with a multitude of mobile communications terminals.

6. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to ~~any one of claims 1 through 5, characterized in that~~ claim 1, wherein the mobile communications terminal comprises second means with selected signals for monitoring the communications quality~~(210)~~.

7. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to claim 6, ~~characterized in that~~ wherein the second means includes means ~~(210)~~ for monitoring the signal strength of the received signal.

8. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to ~~any one of claims 6 and 7, characterized in that~~ claim 6, wherein the second means includes means ~~(210;603)~~ for monitoring ~~the~~ a signal-to-interference ratio,~~SIR~~, of the received signal.

9. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to ~~any one of claims 1 through 8, characterized in that~~ claim 1, wherein:

the mobile communications terminal comprises means (216;664) for processing the communication signal in a first of at least two ways; and

the first way ~~being~~ is selected from the at least two ways in dependence ~~of~~ on a classified type of interference,

10. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to ~~any one of claims 1 through 9, characterized in that~~ claim 1, wherein the mobile communications terminal comprises filter means f" for processing the communication signal by means of a set of filter coefficients ~~θ~~ selected in dependence of on a classified type of interference.

11. (CURRENTLY AMENDED) ~~A~~ The mobile communications terminal according to claim 10, ~~characterized in that~~ wherein:

the filter means is a low-pass filter ~~(604); wherein;~~,

the filter has a relatively high band-width when interference is classified to be inter-cell interference, and

the filter has a relatively low band-width when interference is classified to be inter-cell interference.

12. (CURRENTLY AMENDED) In a mobile communications terminal adapted for use in a cellular communications system, a method comprising ~~the steps of~~

receiving a wire-less communications signal carrying signal channels and;

extracting the signal channels ~~by means of~~ via an electronic circuit; and ~~characterized in further compromising the step of:~~

classifying a type of interference; affecting the communications quality, by evaluating signals selected in the electronic circuit as signals having information for classifying a type of interference in one of at least two predetermined classes of interference.

13. (CURRENTLY AMENDED) ~~A~~ The method according to claim 12 ~~characterized in that the~~ wherein a first class of interference includes intercell interference and ~~that~~ a second class of interference includes intracell interference.

14. (CURRENTLY AMENDED) ~~A~~ The method according to any one of claims 12 and 13 ~~characterized in that~~, the method further comprises ~~the step of~~:

processing the communication signal in a first of at least two ways ~~(A1;A2)~~; and

wherein the first way ~~being~~ is selected from the at least two ways in dependence ~~of~~ on a classified type of interference.

15. (CURRENTLY AMENDED) ~~A~~ The method according to ~~any one of claims 12 through 14 characterized in that the method~~ claim 12, ~~further comprises the step of~~ comprising;

filtering the communication signal with a low-pass filter;

wherein the filter has a relatively high band-width when interference is classified to be intea-cell interference; and

wherein the filter has a relatively low band-width when interference is classified to be inter-cell interference.